

INFORMATION DISCLOSURE
CITATION

DOCKET NO.

1721-43

APPLICANT

NASSIF et al

FILING DATE

Herewith

JC12 Rec'd PCT/PTO 11 JAN 2002

U.S. PAT. & TM. OFF.

10/030746

Barker

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1645

FOREIGN PATENT DOCUMENTS

DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
					YES	NO
WO 92 03467	3/1992	WIPO				
WO 90 06696	6/1990	WIPO				
WO 90 04641	5/1990	WIPO				
WO 97 28273	8/1997	WIPO				
WO 94 05326	3/1994	WIPO				

OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

✓	Nassif et al, "What do we know about the entry of Neisseria meningitidis into the meninges?", BULL. INS. PASTEUR, vol. 95, no. 4, 1997, pages 219-235.
✓	Ala'Aldeen, "Vaccines Against Neisseria Meningitidis: Past, Present and Future", BIOTECNOLOGIA APLICADA, vol. 13, no. 1, 1996, pages 1-7.
✓	Gomez et al, "Antigenicity, cross-reactivity and surface exposure of the Neisseria meningitidis 37 kDa protein (Fbp)", VACCINE, vol. 14, no. 14, 1996, pages 1340-1346.
✓	Sarkari et al, "Variable expression of the Opc outer membrane protein in Neisseria meningitidis is caused by size variation of a promoter containing poly-citidine", MOLECULAR MICROBIOLOGY, vol. 13, no. 2, 1994, pages 207-217.
✓	Maiden et al, "Multilocus sequence typing: a portable approach to the identification of clones within populations of pathogenic microorganisms" PROC. NATL. ACAD. SCI. USA, vol. 95, March 1998, pages 3140-3145.
✓	Watarai et al, "Disulfide oxidoreductase activity of Shigella flexneri is required for release of Ipa proteins and invasion of epithelial cells", PROC. NATL. ACAD. SCI. U.S.A., vol. 92, 1995, pages 4927-4931.
✓	Peek et al, "Characterization of a periplasmic thiol:disulfide interchange protein required for the functional maturation of secreted virulence factors of Vibrio cholerae", PROC. NATL. ACAD. SCI. U.S.A., vol. 89, 1992, pages 6210-6214.
✓	Jonson et al, "Cloning and sequencing of Vibrio cholera mannose-sensitive haemagglutinin pilin gene: localization of mshA within a cluster of type 4 pilin genes", MOLECULAR MICROBIOLOGY, vol. 13, no. 1, 1994, pages 109-118.
✓	Van der Ley et al, "Construction of Neisseria meningitidis strains carrying multiple chromosomal copies of the porA gene for use in the production of a multivalent outer membrane vesicle vaccine", VACCINE, vol. 13, no. 4, 1995, pages 401-407.
✓	Scheuerpflug et al, "Roles of PilC and PilE proteins in pilus-mediated adherence of Neisseria gonorrhoea and Neisseria meningitidis to human erythrocytes and endothelial and epithelial cells", INFECTION AND IMMUNITY, vol. 67, no. 2, February 1999, pages 834-843.
✓	Stibitz et al, "Genetic analysis of a region of the Bordetella pertussis chromosome encoding filamentous hemagglutinin and the pleiotropic regulatory locus vir", JOURNAL OF BACTERIOLOGY, vol. 170, no. 7, July 1988, pages 2904-2913.
✓	Virji et al, "Variations in the expression of pili: the effect on adherence of Neisseria meningitidis to human epithelial and endothelial cells", MOLECULAR MICROBIOLOGY, GB, OXFORD, vol. 6, no. 10, 1992, pages 1271-1279.
✓	Zhou et al, "Sequence diversity within the argF, fbp and recA genes of natural isolates of Neisseria meningitidis: interspecies recombination within the argF gene", MOLECULAR MICROBIOLOGY, vol. 6, no. 15, 1992, pages 2135-2146.

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OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

<input checked="" type="checkbox"/>	Barenkamp et al, "Cloning, Expression, and DNA Sequence Analysis of Genes Encoding Nontypeable Haemophilus influenzae High-Molecular-Weight Surface-Exposed Proteins Related to Filamentous Hemagglutinin of Bordetella pertussis", INFLECTION AND IMMUNITY, US, AMERICAN SOCIETY FOR MICROBIOLOGY, WASHINGTON, vol. 60, no. 4, 1 April 1992, pages 1302-1313.
<input checked="" type="checkbox"/>	Salit et al, "Adherence of Neisseria meningitidis to human epithelial cells", INFECTION AND IMMUNITY, vol. 31, no. 1, January 1981, pages 430-435.
<input checked="" type="checkbox"/>	EMBL databases; Heidelberg, Germany, 18-05-99, "Neisseria meningitidis NatD (natD) and NatC (natC) genes, complete cds.", abstract.
<input checked="" type="checkbox"/>	Stone et al, "Salmonella enteritidis has a homologue of tolC that is required for virulence in BALB/c mice", MOLECULAR MICROBIOLOGY, vol. 17, no. 4, 1995, pages 701-712.

*Examiner

Radna Belker

Date Considered

11/11/03

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